

# SACC-E-M5FS-3CON-M5/0,5 - Device connector front mounting



1530605

<https://www.phoenixcontact.com/us/products/1530605>

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Device connector front mounting, 3-position, Socket, straight, M5, A-coding, on free cable end, Individual wires, cable length: 0.5 m, 0.14 mm<sup>2</sup>, TPE litz wire

## Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1530605       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB21          |
| Product key                          | ABQMBA        |
| GTIN                                 | 4046356024402 |
| Weight per piece (including packing) | 6.8 g         |
| Weight per piece (excluding packing) | 6.8 g         |
| Customs tariff number                | 85444290      |
| Country of origin                    | DE            |

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## Technical data

### Mounting

|               |                           |
|---------------|---------------------------|
| Mounting type | Front mounting (M5 x 0,5) |
|---------------|---------------------------|

### Product properties

|                      |                                   |
|----------------------|-----------------------------------|
| Product type         | Circular connectors (device side) |
| Application          | Signal                            |
| Number of positions  | 3                                 |
| No. of cable outlets | 1                                 |
| Shielded             | no                                |
| Coding               | A                                 |
| Thread type          | M5                                |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 3  |

### Material specifications

|  |                      |
|--|----------------------|
| Flammability rating according to UL 94 | HB                   |
| Seal material                          | Viton                |
| Contact material                       | CuSn                 |
| Contact surface material               | Au                   |
| Contact carrier material               | PA 6.6               |
| Material for screw connection          | Brass, nickel-plated |

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Contact resistance    | $\leq 3 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 48 V AC                    |
|                       | 60 V DC                    |
| Nominal current $I_N$ | 1 A                        |
| Test voltage          | 800 V                      |

### Connection data

#### Conductor connection

|                         |                      |
|-------------------------|----------------------|
| Connection method       | Individual wires     |
| Contact connection type | Socket               |
| Conductor cross-section | 0.14 mm <sup>2</sup> |

### Connector

#### Connection 1

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|                   |          |
|-------------------|----------|
| Head design       | Socket   |
| Head cable outlet | straight |
| Head thread type  | M5       |
| Coding            | A        |

## Connection 2

|             |                |
|-------------|----------------|
| Head design | free cable end |
|-------------|----------------|

## Cable/line

|                                 |  |
|---------------------------------|--|
| Cable length                    | 0.5 m  |
| Cable type                      | TPE litz wire                                |
| Single wire, color              | brown, blue, black                           |
| Cable cross section             | 0.14 mm <sup>2</sup>                         |
| Conductor structure signal line | 18x 0.10 mm                                  |
| AWG signal line                 | 26   |
| Material wire insulation        | TPE  |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |

## Environmental and real-life conditions

### Ambient conditions

|   |  |
|---|--|
| Degree of protection  | IP67   |
| Ambient temperature (operation) (Cable, fixed installation)       | -25 °C ... 80 °C (cable, fixed installation) |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug)                      |

## Standards and regulations

|                          |                              |
|--------------------------|------------------------------|
| Standard designation     | M5 connector                 |
| Standards/specifications | according to IEC 61076-2-105 |

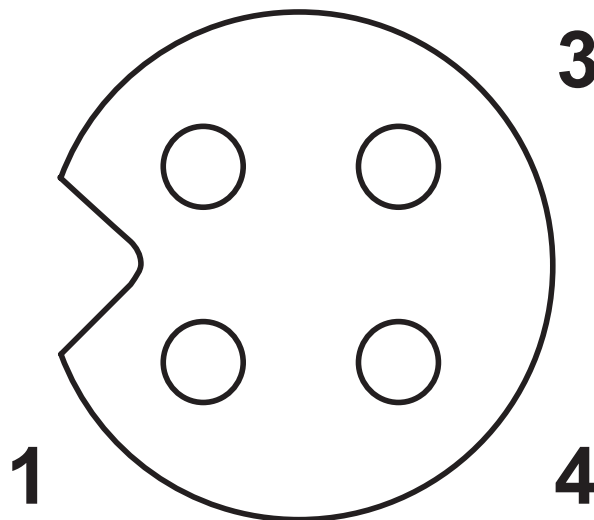
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## Drawings

Schematic diagram



Pin assignment M5 socket, 3-pos., D-coded, view female side

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440103 |
| ECLASS-15.0 | 27440103 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003570 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | d36c1cfc-e9e0-4983-9ece-5e6142d122fe |

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